

Claims

1. In a communication system, a method for blocking call request
2 comprising:

receiving an initial call request block probability;

4 determining an elapsed time from an effective time of said initial call
request block probability;

6 adjusting said initial call request block probability based on said elapsed
time.

2. The method as recited in claim 1 wherein said adjusting includes
decreasing said initial call request block probability.

3. The method as recited in claim 1 further comprising:
2 using said adjusted initial call request to block call request at a mobile
station in said communication system.

4. The method as recited in claim 1 further comprising:
2 receiving a time stamp associated with said initial call request block
probability;

4 using said time stamp for determining said elapsed time.

5. The method as recited in claim 1 further comprising:

receiving an effective call request block termination time;
terminating a call request block performed based on said adjusted initial
call request block probability in a gradual process from said effective call
request block termination time.

6. The method as recited in claim 1 wherein said adjusted initial call
request block probability allows fewer number of mobile stations to initiate
call requests than a number of mobile stations allowed to initiate call
requests at a time of said initial call request block probability.

7. The method as recited in claim 1 further comprising:
receiving a time period value, wherein said adjusting occurs at least once
during a time period substantially equal to said time period value.

8. In a communication system, an apparatus comprising:
a receiver configured for receiving an initial call request block probability;
a processor configured for determining an elapsed time from an effective
time of said initial call request block probability, and adjusting said initial
call request block probability based on said elapsed time.

2 9. The apparatus as recited in claim 8 wherein said processor further
configured for using said adjusted initial call request to block call request
at a mobile station in said communication system.

2 10. The apparatus as recited in claim 8 wherein said receiver further
configured for receiving a time stamp associated with said initial call
request block probability, and said processor further configured for using
4 said time stamp for determining said elapsed time.

2 11. The apparatus as recited in claim 8 wherein said receiver further
configured for receiving an effective call request block termination time,
and said processor further configured for terminating a call request block
4 performed based on said adjusted initial call request block probability in a
gradual process from said effective call request block termination time.

2 12. The apparatus as recited in claim 8 wherein said adjusted initial call
request block probability allows fewer number of mobile stations to initiate
4 call requests than a number of mobile stations allowed to initiate call
requests at a time of said initial call request block probability.

2 13. The apparatus as recited in claim 8 wherein said receiver further
configured for receiving a time period value, wherein said adjusting occurs

at least once during a time period substantially equal to said time period
value.

14. A communication system comprising:

a mobile station configured for receiving an initial call request block
probability from a base station, determining an elapsed time from an
effective time of said initial call request block probability, and adjusting
said initial call request block probability based on said elapsed time.

15. The communication system as recited in claim 14 wherein said
mobile station is further configured for using said adjusted initial call
request to block call request.

16. The communication system as recited in claim 14 wherein said
mobile station is further configured for receiving, from said base station, a
time stamp associated with said initial call request block probability, and
using said time stamp for determining said elapsed time.

17. The communication system as recited in claim 14 wherein said
mobile station is further configured for receiving, from said base station,
an effective call request block termination time, and terminating a call
request block performed based on said adjusted initial call request block

probability in a gradual process from said effective call request block
6 termination time.

18. The communication system as recited in claim 14 wherein said
2 mobile station is further configured for receiving, from said base station, a
time period value, wherein said adjusting occurs at least once during a
4 time period substantially equal to said time period value.

19. A mobile station comprising:
2 a receiver configured for receiving an initial call request block probability;
a processor configured for determining an elapsed time from an effective
4 time of said initial call request block probability, and adjusting said initial
call request block probability based on said elapsed time.

20. The apparatus as recited in claim 19 wherein said processor further
2 configured for using said adjusted initial call request to block or unblock a
call request at said mobile station.